Appl. No. 10/802,190
Amdt. dated June 18, 2008
Reply to Office Action of March 26, 2008

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1   1.   (Currently Amended)   An uninterruptible power supply (UPS) for
2   providing AC power to a load in a local area network, the local area network including at least
3   one computing device, the UPS comprising:
4   an input configured to receive an AC power connector and to receive AC power
5   through the AC power connector;
6   an output configured to couple to another AC power connector and to provide AC
7   power to the load through the another AC power connector;
8   a DC voltage source configured to provide DC power, the DC voltage source
9   including an energy storage device;
10   an inverter coupled to the DC voltage source and configured to receive DC power
11   from the DC voltage source and to convert the received DC power to AC power;
12   a transfer switch coupled to the input and to the inverter and configured to
13   selectively couple one of the input and the inverter to the output to provide AC power to the
14   output;
15   a first controller coupled to the transfer switch and configured to control the
16   transfer switch to selectively couple one of the input and the inverter to the output;
17   a network interface coupled to the first controller and configured to communicate
18   with the computing device via the network and to communicate with the first controller to
19   transfer data between the first controller and the computing device and to provide commands
20   from the computing device to the first controller; and
21   a housing containing the input, the output, the DC voltage source, the inverter, the
22   transfer switch, the first controller, and the network interface, the housing including a chassis
23   that includes a back wall providing [[an]] a single aperture configured to receive a single fastener
24   to mount the UPS to a vertical wall and to support the UPS when mounted to the vertical wall.

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Amendment under 37 CFR 1.116 Expedited Procedure
Examining Group 3429

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1   2.   (Previously Presented)   The UPS of claim 1 wherein a material and a

2 thickness of the base are adapted to support a weight of the UPS when the UPS is mounted to the

3 wall.

1   3.-4.   Canceled.

1   5.   (Previously Presented)   The UPS of claim 1 further comprising:

2   a second controller coupled to the first controller and the network interface and

3 configured to communicate with the first controller in a first protocol and to communicate with

4 the network interface in a second protocol different from the first protocol; and

5   a reset device coupled to the second controller and configured to actuate a reset

6 line of the second controller in response to being pressed.

1   6.   (Original)   The UPS of claim 5 wherein the housing provides a reset-

2 device aperture that allows limited access to the reset device to inhibit accidental pressing of the

3 reset device.

1   7.   (Original)   The UPS of claim 1 wherein the output includes at least one

2 switched power outlet and wherein the first controller is configured to perform firmware

3 instructions to process commands received by the network interface to control the at least one

4 switched power outlet.

1   8.   (Original)   The UPS of claim 7 wherein the output includes four switched

2 power outlets and wherein the firmware instructions are configured in one of two arrangements,

3 in the first arrangement the firmware instructions are configured to instruct the first controller to

4 control power to a first of the outlets, a second of the outlets, or a pair of the switched power

5 outlets depending upon a received command and to control the power by turning power off,

6 turning power on, or cycling power depending upon the received command, and in the second

7 arrangement the firmware instructions are configured to instruct the first controller to control

8 power to a first set of two of the outlets, a second set of two of the outlets, or all four of the

9   switched power outlets depending upon the received command and to control the power by

10   turning power off, turning power on, or cycling power depending upon the received command.

1   9-12.   (Canceled)

1   13.   (Currently Amended)   The UPS of claim 9 31 wherein the output

2   includes a plurality of switched power outlets and wherein the firmware instructions are

3   configured to instruct the first controller to control power to at least two of the outlets by turning

4   power off, turning power on, or cycling power depending upon the received command.

1   14.   (Original)   The UPS of claim 13 wherein the output includes four

2   switched power outlets and wherein the firmware instructions are configured in one of two

3   arrangements, in the first arrangement the firmware instructions are configured to instruct the

4   first controller to control power to a first of the outlets, a second of the outlets, or a pair of the

5   switched power outlets depending upon a received command and to control the power by turning

6   power off, turning power on, or cycling power depending upon the received command, and in the

7   second arrangement the firmware instructions are configured to instruct the first controller to

8   control power to a first set of two of the outlets, a second set of two of the outlets, or all four of

9   the switched power outlets depending upon the received command and to control the power by

10   turning power off, turning power on, or cycling power depending upon the received command.

1   15.   (Currently Amended)   The UPS of claim 9 31 wherein the network

2   interface is configured to provide HTML interface pages to the computing device to provide a

3   user of the computing device with information regarding the UPS and to prompt the user to enter

4   commands for the first controller.

1   16.   (Currently Amended)   The UPS of claim 9 31 further comprising:

2   a second controller coupled to the first controller and the network interface and

3   configured to communicate with the first controller in a first protocol and to communicate with

4   the network interface in a second protocol different from the first protocol; and

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5   a reset device coupled to the second controller and configured to actuate a reset

6   line of the second controller in response to being pressed.

1   17.   (Currently Amended)   The UPS of claim 16 wherein the ~~mounting means~~

2   ~~comprises a~~ housing ~~that~~ provides a reset-device aperture that allows limited access to the reset

3   device to inhibit accidental pressing of the reset device.

1   18. - 24.   (Canceled)

1   25.   (Previously Presented)   The UPS of claim 7 wherein the first controller is

2   configured to perform the firmware instructions to process commands received by the network

3   interface to cycle power of the at least one switched power outlet.

1   26.   (Previously Presented)   The UPS of claim 1 wherein the aperture is

2   horizontally centered in the chassis.

1   27.   (Canceled)

1   28.   (Currently Amended)   An uninterruptible power supply (UPS) for

2   providing AC power to a load in a local area network, the local area network including at least

3   one computing device, the UPS comprising:

4   an input configured to receive an AC power connector and to receive AC power

5   through the AC power connector;

6   an output configured to couple to another AC power connector and to provide AC

7   power to the load through the another AC power connector;

8   a DC voltage source configured to provide DC power, the DC voltage source

9   including an energy storage device;

10   an inverter coupled to the DC voltage source and configured to receive DC power

11 from the DC voltage source and to convert the received DC power to AC power;

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12   a transfer switch coupled to the input and to the inverter and configured to

13 selectively couple one of the input and the inverter to the output to provide AC power to the

14 output;

15   a first controller coupled to the transfer switch and configured to control the

16 transfer switch to selectively couple one of the input and the inverter to the output; and

17   a housing containing the input, the output, the DC voltage source, the inverter, the

18 transfer switch, and the first controller, and the network interface, the housing including a chassis

19 that includes a back wall providing [[an]]a single aperture configured to receive a single fastener

20 to mount the UPS to a vertical wall and to support the UPS when mounted to the vertical wall.

1   29.   (Canceled)

1   30.   (Currently Amended)   The UPS of claim 29 31 wherein the front housing

2 wall comprises a movable cover [[is]]shaped to direct the cable attached to the another AC

3 power connector downward through the opening with the another AC power connector inserted

4 substantially horizontally into the output.

1   31.   (New)   An uninterruptible power supply (UPS) for providing AC power

2 to a load in a local area network, the local area network including at least one computing device,

3 the UPS comprising:

4   an input configured to receive an AC power connector and to receive AC power

5 through the AC power connector;

6   an output configured to couple to another AC power connector and to provide AC

7 power to the load through the another AC power connector;

8   a DC voltage source configured to provide DC power, the DC voltage source

9 including an energy storage device;

10   an inverter coupled to the DC voltage source and configured to receive DC power

11 from the DC voltage source and to convert the received DC power to AC power;

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12   a transfer switch coupled to the input and to the inverter and configured to

13 selectively couple one of the input and the inverter to the output to provide AC power to the

14 output;

15   a first controller coupled to the transfer switch and configured to control the

16 transfer switch to selectively couple one of the input and the inverter to the output;

17   a network interface coupled to the first controller and configured to communicate

18 with the computing device and to transfer information between the first controller and the

19 computing device and to provide commands from the computing device to the first controller,

20 the network interface having an associated web address to uniquely identify the UPS in the local

21 area network; and

22   a housing containing the input, the output, the DC voltage source, the inverter, the

23 transfer switch, the first controller, and the network interface, the housing comprising a chassis

24 that includes a back wall providing a single aperture configured to receive a single fastener to

25 mount the UPS to a vertical wall and to support the UPS when mounted to the vertical wall, the

26 housing further comprising a front housing wall disposed in front of the output when the UPS is

27 mounted to the vertical wall, the output being between the front housing wall and the back wall

28 of the chassis, the front housing wall providing an opening at a bottom of the UPS when

29 mounted to the vertical wall to allow a cable attached to the another AC power connector to

30 extend downward through the opening when the another AC power connector is connected to the

31 output;

32   wherein the output includes a switched power outlet and wherein the first

33 controller is configured to respond to a command received by the network interface to control the

34 switched power outlet to cycle power output by the switched power outlet.